IN THE SPECIFICATION:

Please amend the title appearing on the Abstract page at lines 3 and 4 as follows:

FLUID LOSS REDUCER FOR HIGH ~~TERMPERTURE~~ TEMPERATURE AND HIGH PRESSURE WATER-BASED MUD APPLICATION

Please amend the paragraph appearing on page 8, lines 16-28 as follows:

The typical but non-limiting examples of suitable polymers, that are useful in this invention, are commercially available from a wide variety of sources. For instance, Eliokem sells styrene-acrylate or styrene-butadiene copolymers under the trade name ~~Pliolite®~~ PLIOLITE®, such as ~~Pliolite®~~ PLIOLITE® DF01 polymer, ~~Pliolite®~~ PLIOLITE® DF02 polymer, ~~Pliolite®~~ PLIOLITE® DF03 polymer, ~~Pliolite®~~ PLIOLITE® VTAC-H polymer, ~~Pliolite®~~ PLIOLITE® VT polymer and ~~Pliolite~~ PLIOLITE® Ultra 200® polymer, substituted styrene-acrylate copolymers under the trade name ~~Plioway®~~ PLIOWAY®; Rohm sells acrylate resins under the trade name ~~Plex®~~ PLEX®, Goodyear Chemicals sells styrene-butadiene rubber under the trade name ~~Plioflex®~~ PLIOFLEX®; Kraton S.A. sells block copolymers styrene-butadiene and their hydrogenated version under the trade name ~~Kraton®~~ KRATON®.

Please amend the paragraph appearing on page 11, lines 24-29 as follows:

The preparation of an oil emulsion is as follows:

First, 100 grams of RADIAGREEN® base oil ~~(Ex: Radiagreen®)~~ is mixed with 33.3 grams of Disponil FES® emulsifier (~~Disponil FES®~~) and kept under stirring for 5 minutes. Then, 36.7 grams of water are slowly incorporated to the oil/ emulsifier mixture which is stirred under high shear for 20 minutes.

Please amend the paragraphs appearing on page 15, lines 2-15 as follows:

Filtration value in ml is significantly reduced when polymer such as VTACH® polymer, U200 polymer, XPR036 polymer, ~~Pliolite VT®~~ PLIOLITE® VT polymer, or ~~Kraton G®~~ KRATON® G polymer was added in re-emulsified form in the standard water-based drilling fluid formulation. This value is further reduced when the above polymer is replaced by a cross-linked polymer such as ~~Pliolite~~ PLIOLITE® DF01, DF02, DF03, CPR7676, CPR7755 polymers. Replacement in water-based mud of fluid loss reducers by the polymer emulsion leads to equivalent level of filtration versus water-based mud.

As it can be seen in Table III, filtration value in ml is significantly reduced after high temperature aging when cross-linked polymer such as ~~Pliolite DF01®~~ PLIOLITE® DF01 was used with an emulsifier package ~~(Disponil FES®/ Kleemul®)~~ (DISPONIL® FES emulsifier and KLEEMUL® emulsifier) in the standard water-based drilling fluid formulation.